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Software Development 1

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Writeup UML Diagrams

Patient
- id: long - givenName: String - familyName: String - address: String - birthDate: String - diagnosis: String - phoneNumber: String - insuranceProvider: String - insuranceId: String
+ getId(): long + getGivenName(): String + getFamilyName(): String + getFullName(): String + getPhoneNumber(): String + getAddress(): String + getBirthdate(): String + getDiagnosis(): String + getInsuranceProvider(): String + getInsuranceId(): String + setGivenName(String): String + setAddress(String): String + setBirthdate(String): String + setFamilyName(String): String + setPhoneNumber(String): String + setDiagnosis(String): String + setInsuranceProvider(String): String + setInsuranceId(String): String

<<interface>> PatientRepository extends JpaRepository
-
+ List<Patient> findByFamilyName(String familyName)

PatientService
- patientRepository: PatientRepository - parserService: ParserService
+ initBinder(WebDataBinder binder): void + addPatientFromFile(String filename): void + add(Patient patient): Patient + addMultiple(Patient[] patientArray): Patient[] + read(Long patientId): Patient + readAll(): List<Patient> + readByFamilyName(String familyName): List<Patient> + delete(Long patientId): void + edit(Patient originalPatient, Patient updatedPatient): Patient

PatientController
- patientService: PatientService
+ initBinder(WebDataBinder binder): void + readPatient(@PathVariable Long patiendId): ResponseEntity<Patient> + readAllPatients(): ResponseEntity<List<Patient>> + readPatientByFamilyName(String familyName): ResponeEntity<List<Patient>> + deletePatient(Long patientId): ResponseEntity<HttpStatus> + putPatient(Long patientId, Patient bodyPatient): ResponseEntity<Patient>

ParserService
-
+ initBinder(WebDataBinder binder): void + parsePatientFromFile(String fileName): Patient[]

XMLDOMParser
-
+ parsePatientXML(String fileName): Patient[] + parsePatientList(NodeList patientNodeList): Patient[] + parsePatient(Element patient): Patient

Application
-
+ corsConfigurer(): WebMvcConfigurer + main(String[] args): void